

Title (en)

Battery and method of its manufacture

Title (de)

BATTERIE UND VERFAHREN ZUR IHRER HERSTELLUNG

Title (fr)

PILE ET PROCEDE POUR SA FABRICATION

Publication

EP 1353389 B1 20130522 (EN)

Application

EP 03005644 A 20030312

Priority

JP 2002109187 A 20020411

Abstract (en)

[origin: EP1353389A2] A battery includes a plurality of flat type batteries and a connector member that electrically connect the plurality of flat type batteries to one another. Each of the plurality of flat type batteries is provided with an outer sheath having a composite laminate film, an electric power generating component, which includes a positive electrode plate, a separator and a negative electrode plate and is accommodated in the outer sheath by compelling at least a part of a circumference of the outer sheath to be joined by thermally welded portions, a positive-electrode terminal lead conductive with the positive electrode plate and held between the thermally welded portions, and a negative-electrode terminal lead conductive with the negative electrode plate and held between the thermally welded portions. At least one of the positive-electrode terminal lead and the negative-electrode terminal lead has a surface covering layer made of a metal different from that of its terminal mother material. <IMAGE>

IPC 8 full level

H01M 2/02 (2006.01); **H01M 2/06** (2006.01); **H01M 2/30** (2006.01); **H01M 2/32** (2006.01); **H01M 50/178** (2021.01); **H01M 50/548** (2021.01); **H01M 50/55** (2021.01); **H01M 50/557** (2021.01); **H01M 50/562** (2021.01); **H01M 50/566** (2021.01); **H01M 50/571** (2021.01); **H02J 7/00** (2006.01)

CPC (source: EP US)

H01M 50/178 (2021.01 - EP US); **H01M 50/548** (2021.01 - EP US); **H01M 50/55** (2021.01 - EP US); **H01M 50/557** (2021.01 - EP US); **H01M 50/562** (2021.01 - EP US); **H01M 50/566** (2021.01 - EP US); **H01M 50/571** (2021.01 - EP US); **Y02E 60/10** (2013.01 - EP); **Y10T 29/49108** (2015.01 - EP US)

Cited by

CN108140753A; US7008720B2; CN103477466A; EP1936717A1; US7781096B2; US9236617B2; WO2006124218A3; WO2017063879A1; WO2006067919A3; WO2006020419A3; US10777784B2; US11424501B2; US9143675B2; US10375295B2; US10674071B2

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EP 1353389 A2 20031015; **EP 1353389 A3 20050309**; **EP 1353389 B1 20130522**; JP 2003303583 A 20031024; JP 3591523 B2 20041124; US 2003193317 A1 20031016; US 7008720 B2 20060307

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